

ELECTRICAL POWER EXTRACTION FROM MECHANICAL DISTURBANCES

Abstract of the Disclosure

A method of extracting power includes coupling a transducer that converts mechanical power to electrical power to a disturbance; coupling an electrical circuit to the transducer such that a peak voltage experienced by the transducer is greater than two times
5 higher than any peak voltage of an open circuit transducer due to the disturbance alone; extracting power from the transducer using the electrical circuit, and storing extracted power. Power is extracted from the transducer and applied to the transducer during different intervals in the course of the disturbance. A system for extracting power includes a
10 transducer, an electrical circuit, and a storage element for storing extracted power.

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